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# RECEIPT FROM PTO FOR INDICATED ITEMS

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Appln. No: 09/853,028	Atty: Glenn J. Perry/donna hill
First Inventor: YAMAGUCHI et al.	Date: July 3, 2001
SEP 17 2001	Matter No: 280085
	Client No: 11349

## ENCLOSURES:

☐ Response/Amendment ☐ Appendix ☐ Cover Sheet ☐ Cited/Listed Documents

☒ Completion Request for R 53(f)/PCT Nat.

# No. of Pages Abstract

# No. of Pages Spec and Claims

# No. of Numbered Claims Only

# No. of Sheets of Drawings (Figs

☐ 1 Set Formal ☐ 1 Set Informal ☐ Cover Letter

☒ Declaration ☐ 5 # of pages

☒ Assignment ☒ Cover Sheet

☐ Small Entity Declaration

☐ Extension Petition (PAT-111)

# ☐ 2 No. of Priority Documents

☐ IDS Letter ☐ Cited Appln(s) ☐ Foreign Sch Rep/OA

☐ PTO-1449 ☐ Cited Documents

☐ Issue Fee Transmittal Form PTOL-85(b) + (c)

\$  Fee (Check)

OTHER:

Current DUE DATE:

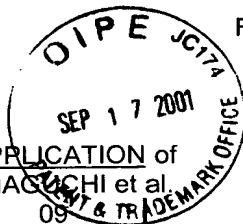
July 3, 2001

(Submit Single Copy Only)

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OCT 16 2001  
TC 1700

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## FILING COMPLETION UNDER RULE 53(f)

( NOT PCT Applications)  
For Design, Provisional, or Utility ApplicationsPATENT  
APPLICATIONCOMPLETION Under  
Rule 53(f)

Attn: Application Division

In re PATENT APPLICATION of

Inventor(s): YAMAGUCHI et al

Appln. No.:

09

853,028

Atty.Dkt.

P

280085

ND-J048-US

Series Code ↑

Serial No. ↑

M#

Client Ref

Filed: May 11, 2001

Title: METHOD OF MANUFACTURING CERAMIC HONEYCOMB STRUCTURE AND DEVICE FOR FORMING THROUGH HOLES

Hon. Commissioner of Patents  
Washington, DC 20231

Date: July 3, 2001

Sir:

The following completes the filing under Rule 53(f) of the above-identified patent application:

1. **Notice to File Missing Parts** ☐ copy attached ☒ not yet received
2. ☒ Signed Declaration attached. ☒ Original ☐ Facsimile/Copy

(Always "X" box 2 if filing signed Declaration and

"X" box 2A only if top box of the Declaration is X'd and file application copy, or"X" box 2B only if none of the top three boxes of the Declaration is X'd.)

- 2A. ☐ Attached: Original signed Declaration with attached specification (including claim(s)) which is a copy of specification and claim(s) originally filed to secure the above filing date.
- 2B. ☐ The original application as filed in the PTO on the above filing date is the application which each inventor executed by signing the attached Rule 63 Declaration.
3. ☐ Specification originally filed in non-English language; hence verified translation attached of:
- a. ☐ Abstract
- b. #  pages of Specification (only spec. & claims)
- c. ☐ Drawing(s)  No of Sheets
- ☐ Fig(s).

4. ☐ Letter filing formal drawing attached.

5. ☒ Attached is an assignment and cover sheet. Please return the recorded assignment to the undersigned.

6. DOMESTIC/INTERNATIONAL priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

Application No.	Filing Date	Application No.	Filing Date
(1)		(2)	
(3)		(4)	
(5)		(6)	

7. FOREIGN priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in Japan

8.

Application No.	Filing Date	Application No.	Filing Date
(1) 2000-140213	May 12, 2000	(2) 2000-227490	July 27, 2000
(3)		(4)	
(5)		(6)	

Completion Under Rule 53(b)

9. 2 (No.) Certified copy (copies): ☒ attached; ☐ previously filed (date) \_\_\_\_\_  
in U.S. Application No. 1 filed on \_\_\_\_\_
10. Small Entity Status ☐ ☒ is Not claimed ☐ is claimed (file PAT-256 if this is the first claim of Small Entity Status)
11. ☐ Attached:
12. ☐ Preliminary Amendment:

**THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED**

				Large/Small Entity		Fee Code
13. Basic Filing Fee . . . . . Design Application				\$320/\$160		106/26
Not Design Application				\$710/\$355	+710	101/201
14. Total Effective Claims	31	minus 20 =	11	x \$18/\$9	+198	103/203
15. Independent Claims	5	minus 3 =	2	x \$80/\$40	+160	102/202
16. If <u>any proper</u> multiple dependent claim (ignore improper) is present, (Leave this line blank if this is a <u>reissue</u> application)				\$270/\$135	+270	104/204
17. Surcharge for filing Declaration/filing fee late				\$130/\$65	+130	105/205
18.				FILING FEE ENCLOSED =	\$1468	
19. <u>Original due date:</u>						
20. <b>Petition is hereby made</b> to extend the <u>original</u> due date to				(1 mo)	\$110/\$55 =	+0
cover the date this response is filed for which the requisite fee				(2mos)	\$390/\$195 =	
is attached				(3mos)	\$890/\$445 =	
				(4mos)	\$1390/\$695 =	
21. If "non-English" box 3 is X'd, add Rule 17(k) processing fee . . . . .				\$130	+0	139
22. If "assignment" box 5 is X'd, add recording fee. . . . .				\$40	+40	581
23. Petition Fee for				\$130	+0	
24.				TOTAL FEE ENCLOSED =	\$1508	

Our Deposit Account No. 03-3975  
Our Order No. 11349

280085

C#

M#

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This **CHARGE STATEMENT** does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.

**Pillsbury Winthrop LLP  
Intellectual Property Group**

1600 Tysons Boulevard

By Atty: Glenn J. Perry

Reg. No. 28458

McLean, VA 22102  
Tel: (703) 905-2000  
Atty/Sec: gjp/dlh

Sig: 

Fax: (703) 905-2500  
Tel: (703) 905-2161

**NOTE:** File in duplicate with PTO receipt (PAT-103A) and attachments

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00909

PTO/SB/106 (8-5

Approved for use through 9/30/98 OMB 0651-00

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

下記の氏名の発明者として、私は以下の通り宣言します。

As a below named inventor, I hereby declare that:

私の住所、私書箱、国籍は下記の私の氏名の後に記載された通りです。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者（下記の氏名が一つの場合）もしくは最初かつ共同発明者であると（下記の名称が複数の場合）信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD OF MANUFACTURING CERAMIC HONEYCOMB

STRUCTURE AND DEVICE FOR FORMING THROUGH HOLES

上記発明の明細書（下記の欄でx印がついていない場合は、本表に添付）は、

the specification of which is attached hereto unless the following box is checked:

☐ 月 日に提出され、米露出願番号または特許協定条約国際出願番号を \_\_\_\_\_ とし、  
(該当する場合) \_\_\_\_\_ に訂正されました。☒ was filed on May 11, 2001  
as United States Application Number or  
PCT International Application Number  
\_\_\_\_\_ and was amended on  
\_\_\_\_\_ (if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、内容を理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編第1章56項に定規されるとおり、特許発荷の有無について重要な情報を開示する義務があることを認めます。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

# PILLSBURY WINTHROP FORM

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## Japanese Language Declaration

(日本語宣言書)

私は、米国法典第35編119条(a)-(d)項又は365条(b)項に基づき下記の、米国以外の国の少なくとも一か国を指定している特許協力条約365(a)項に基づき国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示しています。

### Prior Foreign Application(s)

外国での先行出願

2000-140213(Pat. Appln.)	Japan
(Number)	(Country)
(番号)	(国名)
2000-227490(Pat. Appln.)	Japan
(Number)	(Country)
(番号)	(国名)

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed

優先権主張なし

12/May/2000

(Day/Month/Year Filed)

(出願年月日)

27/July/2000

(Day/Month/Year Filed)

(出願年月日)

(Please see attachment for additional Prior Foreign Applications.)

私は、第35編米国法典119条(e)項に基づき下記の米国特許出願規定に記載された権利をここに主張いたします。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)

(出願番号)

(Filing Date)

(出願日)

(Application No.)

(出願番号)

(Filing Date)

(出願日)

私は、下記の米国法典第35編120条に基づいて下記の米国特許出願に記載された権利、又は米国を指定している特許協力条約365条(c)に基づき権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出願に開示されていない限り、その先行米国出願書提出日以降で本出願書の日本国内または特許協力条約国際提出日までの期間中に入手された、連邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Application No.)

(出願番号)

(Filing Date)

(出願日)

(Status: Patented, Pending, Abandoned)

(現況: 特許許可済、係属中、放棄済)

(Application No.)

(出願番号)

(Filing Date)

(出願日)

(Status: Patented, Pending, Abandoned)

(現況: 特許許可済、係属中、放棄済)

私は、私自身の知識に基づいて本宣言書中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じることに基づき表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行えば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(外国での先行出願)

優先権主張しない

Page 3 of 5

# PILLSBURY WINTHROP FORM

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## Japanese Language Declaration (日本語宣言書)

委任状: 私は下記の発明者として、本出願に関する一切の  
手続を米特許商標局に対して遂行する弁護士または代理人  
として、下記の者を指名いたします。

POWER OF ATTORNEY: As a named inventor, I hereby appoint  
the following attorney(s) and/or agent(s) to prosecute this  
application and transact all business in the Patent and Trademark  
Office connected therewith.

And I hereby appoint Pillsbury Winthrop LLP, Intellectual Property Group, telephone number (202) 861-3000 (to whom all communications are to be directed), and  
persons of that firm who are associated with USPTO Customer No. 909 (see below label) individually and collectively my attorneys to prosecute this application and to  
transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer No.  
names of persons no longer with their firm, to add new persons of their Firm to that Customer No., and to act and rely on instructions from and communicate directly with  
the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full  
disclosure to be represented unless/until I instruct the above Firm and/or an attorney of that Firm in writing to the contrary.



00909

唯一または第一発明者名	Full name of sole or first inventor Satoru Yamaguchi	
発明者の署名	Inventor's signature <i>Satoru Yamaguchi</i>	Date May 21, 2001
住所	Residence Anjyou-city, Aichi-pref., Japan	
国籍	Citizenship Japanese	
私書箱	Post Office Address c/o DENSO CORPORATION, 1-1 SHOWA-CHO KARIYA-CITY AICHI-PREF. 448-8661 JAPAN	
第二共同発明者	Full name of second joint inventor, if any Hitoshi Kanmura	
第二共同発明者	Second inventor's signature <i>Hitoshi Kanmura</i>	Date May 21, 2001
住所	Residence Inabe-gun, Mie-pref., Japan	
国籍	Citizenship Japanese	
私書箱	Post Office Address c/o DENSO CORPORATION, 1-1 SHOWA-CHO KARIYA-CITY AICHI-PREF. 448-8661 JAPAN	

(第三以降の共同発明者についても同様に記載し、署名をす  
ること)

(Supply similar information and signature for third and subsequent  
joint inventors.)



第三共同発明者	Full name of third joint inventor, if any Akinobu Muto		
第三共同発明者	日付	Third inventor's signature <i>Akinobu Muto</i>	Date May 21, 2001
住 所	Residence Ama-gun, Aichi-pref., Japan		
国 籍	Citizenship Japanese		
私書箱	Post Office Address c/o DENSO CORPORATION, 1-1 SHOWA-CHO		
KARIYA-CITY AICHI-PREF. 448-8661 JAPAN			
第四共同発明者	Full name of fourth joint inventor, if any Toshiaki Tanida		
第四共同発明者	日付	Fourth inventor's signature <i>Toshiaki Tanida</i>	Date May 21, 2001
住 所	Residence Okazaki-city, Aichi-pref., Japan		
国 籍	Citizenship Japanese		
私書箱	Post Office Address c/o DENSO CORPORATION, 1-1 SHOWA-CHO		
KARIYA-CITY AICHI-PREF. 448-8661 JAPAN			

第五共同発明者	Full name of fifth joint inventor, if any		
第五共同発明者	日付	Fifth inventor's signature	Date
住 所	Residence		
国 籍	Citizenship		
私書箱	Post Office Address		
第六共同発明者	Full name of sixth joint inventor, if any		
第六共同発明者	日付	Sixth inventor's signature	Date
住 所	Residence		
国 籍	Citizenship		
私書箱	Post Office Address		

(第七以降の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for seventh and subsequent joint inventors.)

**RECORDATION FORM COVER SHEET  
PATENT APPLICATIONS & PATENTS ONLY**

TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

## 1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Satoru YAMAGUCHI

3. Akinobu MUTO

5.

7.

2. Hitoshi KANMURA

4. Toshiaki TANIDA

6.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

## 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: DENSO CORPORATION

ADDRESS: 1-1 Showa-cho, Kariya-City, Aichi-Oref., 448-8661 Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

## 3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST☐ ORIGINAL ☐ FACSIMILE/PHOTOCOPY☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: May 21, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1
09/853,028	280085				

5. Name & Address of Party to Whom Correspondence  
Concerning Document Should be Mailed:

**Pillsbury Winthrop LLP**  
**Intellectual Property Group**  
1600 Tysons Boulevard

McLean, VA 22102

5.5 ATTY DKT:

P 280085

ND-J048-US

MATTER NO.

CLIENT REF.

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL

1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL x \$40 = \$40

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE  
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

UNDER ORDER NO

11349

280085

dup. sheet not required

CLIENT NO.

MATTER NO.

9.

10. Total number of pages including this  
cover sheet, attachments and document  
(do not file dup. Cover sheet)

2

Signature

Attorney: Glenn J. Perry

Reg. No. 28458

Atty/Sec: gjp/dlh

TEL: (703) 905-2161

Date: July 3, 2001

FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert  
ASSIGNEE's  
Name(s)  
Address(es))

DENSO CORPORATION

1-1 SHOWA-CHO KARIYA-CITY AICHI-PREF. 448-8661 JAPAN

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of  
Invention)

METHOD OF MANUFACTURING CERAMIC HONEYCOMB STRUCTURE

AND DEVICE FOR FORMING THROUGH HOLES

relating to International Patent Application PCT/JP \_\_\_\_\_/\_\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date  
of execution  
of application,  
if not  
concurrent)

(a) executed on \_\_\_\_\_;  
(b) filed on May 11, 2001,  
Serial No. \_\_\_\_\_/\_\_\_\_\_;

(Pillsbury Winthrop LLP  
Washington, DC

) is hereby authorized to insert in (b) the specified  
data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1) <u>Satoru Yamaguchi</u> (SIGNATURE)	<u>Satoru Yamaguchi</u> (TYPE NAME)	<u>May 21, 2001</u> (DATE)
2) <u>Hitoshi Kanmura</u> (SIGNATURE)	<u>Hitoshi Kanmura</u> (TYPE NAME)	<u>May 21, 2001</u> (DATE)
3) <u>Akinobu Muto</u> (SIGNATURE)	<u>Akinobu Muto</u> (TYPE NAME)	<u>May 21, 2001</u> (DATE)
4) <u>Toshiaki Tanida</u> (SIGNATURE)	<u>Toshiaki Tanida</u> (TYPE NAME)	<u>May 21, 2001</u> (DATE)
5) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
6) _____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of  
Inventor(s): YAMAGUCHI et al.

Appln. No.: 09 | 853,028  
Series ↑ | ↑ Serial No.  
Code



Group Art Unit: Unassigned

Filed: May 11, 2001

Examiner: Unassigned

Title: METHOD OF MANUFACTURING CERAMIC  
HONEYCOMB STRUCTURE AND DEVICE FOR FORMING  
THROUGH HOLES

Atty. Dkt. P 280085

ND-J048-US

M#

Client Ref

Date: July 3, 2001

**SUBMISSION OF PRIORITY  
DOCUMENT IN ACCORDANCE  
WITH THE REQUIREMENTS OF RULE 55**

Hon. Asst Commissioner of Patents  
Washington, D.C. 20231

Sir:

Please accept the enclosed certified copy(ies) of the respective foreign application(s) listed below for which benefit under 35 U.S.C. 119/365 has been previously claimed in the subject application and if not is hereby claimed.

<u>Application No.</u>	<u>Country of Origin</u>	<u>Filed</u>
2000-140213	Japan	May 12, 2000
2000-227490	Japan	July 27, 2000

Respectfully submitted,

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JAPAN PATENT OFFICE



別紙添付の書類に記載されている事項は下記の出願書類に記載されて  
いる事項と同一であることを証明する。

This is to certify that the annexed is a true copy of the following application as filed  
with this Office

出 願 年 月 日

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Application Number:

特願2000-140213

出 願 人

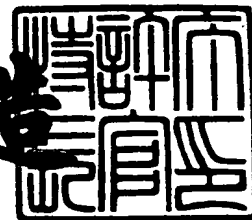
Applicant(s):

株式会社デンソー

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【発明の名称】 セラミックハニカム構造体の製造方法及び貫通穴形成装置

【請求項の数】 6

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特願2000-227490

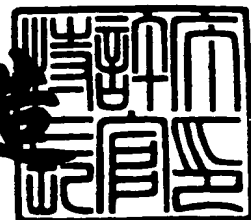
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Applicant(s):

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